

SU(5)-type unification of Yukawa couplings of fermions in MSSM

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What are the conditions, a minimal phenomenologically viable supersymmetric grand unified theory should fulfill? Here, we address the possibility of unification of eigenvalues of down-quark and lepton Yukawa matrices in the framework of renormalizable MSSM. Results will be presented together with a discussion of current values of relevant low-energy observables. This will present an update to previous accounts of supersymmetric SU(5)-type unification of Yukawa couplings for all families of fermions.

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